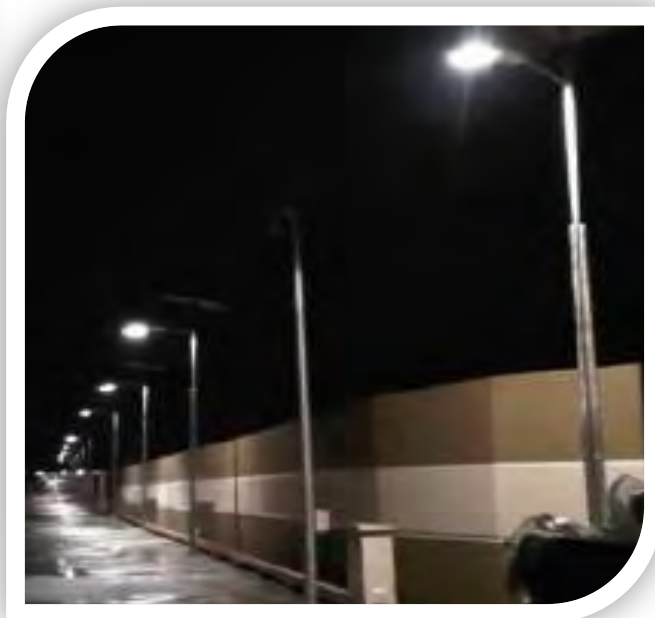




LED SOLAR STREETLIGHT



The technology of photovoltaic (PV) is essentially concerned with conversion of sunlight into usable form of electrical energy RAPS solar street lighting systems are stand-alone systems that automatically switch on at dusk (evening hours) and switch off at dawn (morning hours). These energy efficient, reliable and environment friendly street lighting systems require low maintenance.

The RAPS solar street lighting system includes all components like photovoltaic module, deep cycle maintenance free battery solar charge controller and LED light. The battery and charge controller are integrated in the pole structure that is housed inside a metallic box. Charge controller is also integrated with dusk and dawn sensing.

APPLICATIONS:

- Lighting streets, roads, highway
- Lighting drying yards in plantation area
- Perimeter lighting of industries & institutions
- Pathway lighting in resorts, campus, office complex and etc

BENEFITS

- Quick and easy installation of the system
- Minimum maintenance
- Uniform distribution of light
- Auto ON/OFF function
- Powder coated / galvanized MS pole

LED Street Light

The Solar Street Lights are designed with high quality LED light with IP66 rating. The glass lenses that using cutting-edge technology help to achieve high luminous efficiency with smooth and elegant appearance. It's also industry leading NO fin thermal design makes it Ultra-lightweight. It operates on 24V DC light therefore NO inverter required. The light is designed and manufactured in Malaysia.

Solar PV Module

We provide high quality solar PV Modules for our streetlight. The Solar Modules are multicrystalline solar cells with high module efficiency of up to 15.8%. The modules comes with standard performance warranty of 25 years and workmanship warranty of 10 years

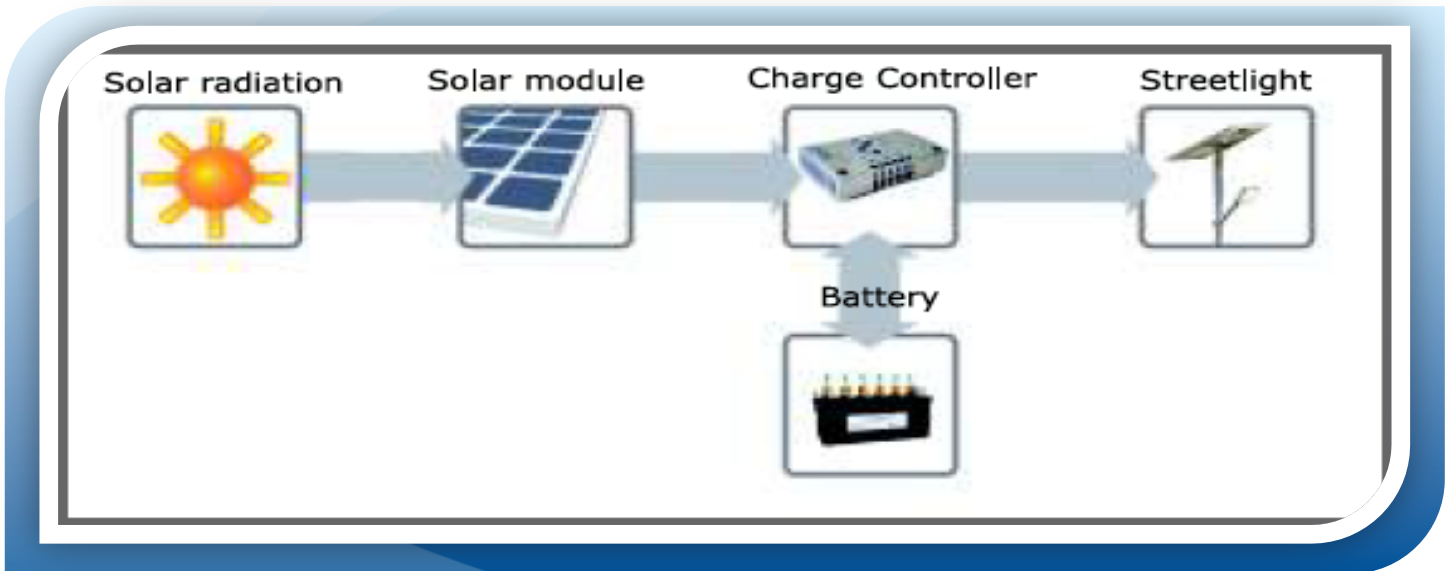
AGM Deep Cycle Maintenance free battery

We provide AGM Deep Cycle battery with 10years floating design life and specially designed for cyclic discharge usage. By using strong grid and specific paste plate, it makes battery have 30% more cyclic lifetime than standby series.

Solar Charge Controller

The solar charge controller is the world lightest and compact. The self-consumption current is about 2mA contributes to the long-term stabilization and performance of the system. The controller turns on the light from dusk to dawn automatically. The controller has protection circuitry for High Voltage, Over discharge, High Temperature, Reverse Polarity, Overload Protection, Short-circuit Protection, Surge Protection. It also has battery recovery function that is convenient for the system in areas where routine maintenance is difficult. It's is design in Japan

Product Specifications:



	30W LED STREET LIGHT Model : SL30W-24	60W LED STREET LIGHT Model : SL60W-24
LED Light	3000lm system lumens 30W power consumption 4000K (Ra>70), 5000K (Ra>80) colour temperature Weight 700g	6000lm system lumens 60W power consumption 4000K (Ra>70), 5000K (Ra>80) colour temperature Weight 1.5Kg
Solar PV	1 unit x 250Wp Polycrystalline 15.8% Efficiency	2 units x 250Wp Polycrystalline 15.8% Efficiency
Controller	24V 10A Solar Charge Controller. Automatic dusk to dawn operation	24V 20A Solar Charge Controller. Automatic dusk to dawn operation
Battery	2 units of 75Ah AGMDeep Cycle battery Maximum Charging current 22.5A Maintenance free	2 units of 100Ah AGMDeep Cycle battery Maximum charging 30A Maintenance free
Pole	4 meter high, flange type, steel with galvanising treatment.	4 meter high, flange type, steel with galvanising treatment.
Box	Steel with galvanising treatment	Steel with galvanising treatment
Operating time	12 hours perday	12 hours perday